

Date: Fri, 18 Mar 94 11:07:21 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #303
To: Info-Hams

Info-Hams Digest Fri, 18 Mar 94 Volume 94 : Issue 303

Today's Topics:

 10 GHz EME question
 1994 Contest calendar enclosed
 Alinco DJ580T price info needed!
 Converting CB to 10 meters
Daily Summary of Solar Geophysical Activity for 16 March
 Deadhead Hams, Net Tonite!!!!
 IC22S
Icom 737 CW Filter Switching Mod.
 IPS Daily Report - 17 March 94
 Phonetic Alphabets
 Q codes?
 QSL-Manager for JW1BJA/JW5VK

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 17 Mar 1994 14:36:45 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!sunic!
psinntp!psinntp!arrl.org!zlau@network.ucsd.edu
Subject: 10 GHz EME question
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <16MAR94.10615803.0021.MUSIC@SLUMUS>
MOWE%SLUMUS.BITNET@CUNYVM.CUNY.EDU (Michael Owen) writes:
: >The Toronto VHF Society (VE3ONT) is beginning to make
: >plans for EME operations using the 46 m (150') dish at

: >Algonquin Park later this year.

: I don't think so. The libration fading will be much reduced by
: illuminating a smaller portion of the Moon. And gain is gain,
: the extra gain will be usable for transmit. For receive it's
: a somewhat different matter. Stations using small dishes will
: be illuminating the entire lunar hemisphere. Your dish will
: only receive part of that energy since the rest will fall outside
: your beamwidth. But the extra dish gain should compensate for
: that, and your receive strength should be similar to that of
: a dish that just illuminates the entire Moon. And, you'll receive
: less thermal noise from the rest of the Moon, and less libration
: fading. So while the big dish won't be that much better for receive,
: it won't be worse, and on transmit it will be a big help to other
: stations because it's reflected signal will behave more like a
: strong point source.

One way of looking at the receive situation is that a big dish
is really a combination of smaller dishes. In fact, on my
wall I have a picture of the multiple mirror telescope. The
energy accumulated by each dish does indeed add--how big can
a solar collector be before it fails to pick up any more energy?
The sun and moon have approximately the same apparent size to
Earth observers.

The beamwidth of an optical mirror is quite small compared
to most single site radio antennas--the Palomar telescope has
around 148 dBi of gain, if I recall correctly. Indeed, according
to First Light, an observer was temporarily hurt trying to look
at Venus with the telescope (the beam of light was light that of
a movie projector, dust particles could be seen).

A key question is how the moon reflects--its reflectance is 6%
at radio waves and 7% at optical. Does it reflect like a silver
ball, in which the angle of incidence equals the angle of reflection,
or is there an almost uniform scattering, making it look like a
white disk? What does it look like to you?

The thermal noise of the moon brings up an interesting phenomena,
with a big dish you no longer benefit as much from a low noise preamp,
since the temperature of the moon is 260 Kelvin. On the other hand,
a small dish looks at a little 260 Kelvin spot, possibly in an area
of cold sky. But, from what I've read, people have been making
contacts with 2 or 3 dB noise figure receivers. Thus, with your
big dish, it probably doesn't make much sense to worry about getting
the ultimate receiver, while it is useful on the lower bands.

--

Zack Lau KH6CP/1 2 way QRP WAS
 8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: Thu, 17 Mar 1994 20:59:45 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!
news.kei.com!wang!dbushong@network.ucsd.edu
Subject: 1994 Contest calendar enclosed
To: info-hams@ucsd.edu

Here is the 1994 contest calendar from CQ. Each of the fields is separated by a TAB character, so they will line up in your word processor if you set tab stops at 3.5" and 5.5". That way you can use proportional space fonts to print it out if you'd rather, and then you don't have to deal with a bunch of spaces.

Generic contest schedule (as of February 1994).
(Source: CO 1994 Amateur Radio Almanac.)

Contest Weekend/Month Hours

ARRL RTTY Roundup 1/Jan. 24/30
AGCW-DL QRP CW Winter Contest 1/Jan. 15
Michigan QRP Club CW Contest 1/Jan. 36
LIONS-on-the-air CW Contest 1/Jan. 36
NCJ N.A.QSO Party-CW 2/Jan. 10/12
JA Int'l CW Contest (160,80,40M) 2/Jan. 48
LIONS-on-the-Air SSB Contest 2/Jan. 36
NCJ N.A. QSO Party-SSB 3/Jan. 10/12
HA DX CW Contest 3/Jan. 24
CO WW DX 160m CW Contest 4/Jan. 42
ARRL VHF Sweepstakes 33
REF CW Contest 4/Jan. 36
U.B.A. SSB Contest 4/Jan. 24
ARRL Novice Round-Up 4/Jan.-1/Feb. -
NCJ N.A. Sprint-CW 1/Feb. 4
YL-ISSB CW OSO Party 1 /Feb. 48
Vermont State QSO Party 1/Feb. 24
Maine State QSO Party 1/Feb. 48
QCWA QSO Party-CW 1/Feb. 25
Classic Radio Exchange 1/Feb. 48
NCJ's N.A. Sprint-SSB 2/Feb. 4
Utah 160m Challenge 2/Feb. 48
EA RTTY Contest 2/Feb. 24

Dutch "PACC" Contest 2/Feb. 24
YLRL YL-OM SSB Contest 2/Feb. 24
New Hampshire QSO Party 2/Feb. 18
ARRL DX CW Contest 3/Feb. 48
YLRL YL-OM CW Contest 4/Feb. 24
CO WW DX 160m SSO Contest 4/Feb. 42
REF SSB Contest 4/Feb. 36
RSGB 7 MHz CW Contest 4/Feb. 18
North Dakota QSO Party 4/Feb. 24
U. B.A. CW Contest 4/Feb. 24
ARRL DX SSB Contest 1/Mar. 48
YL-ISSB SSB QSO Party 2/Mar. 48
QCWA QSO Party-SSB 2/Mar. 25
Wisconsin State QSO Party 2/Mar. 7
Bermuda Contest 3/Mar. 48
CLARA HF Contest 3/Mar. 24
Virginia State QSO Party 3/Mar. 32
BARTG Spring RTTY Contest 3/Mar. 30
CO WW WPX SSO Contest last/Mar. 48
Poisson d'Avril Contest 1/Apr. -
ARCI QRP CW Spring QSO Party 1/Apr. 24
SP DX Contest 1/Apr. 36
ARRL VHF/UHF Spring Sprint-144 MHz 1/Apr. 4
JA Int'l CW Contest (20,15,10M) 2/Apr. 48
Yuri Gagarin Cup-CW 2/Apr. 24
Holyland DX Contest SSB, CW 2/Apr. 24
ARRL VHF/UHF Spring Sprint-222 MHz 2/Apr. 4
SARTG AMTOR Contest 3/Apr. 24
QST QSO Award Party 3/Apr. 24
Connecticut QSO Party 3/Apr. 28
Spring NWQRP Sprint-CW 3/Apr. 4
ARRL VHF/UHF Spring Sprint-432 MHz 3/Apr. 4
MARAC SSB County Hunters Contest 3/Apr. 48
Swiss HELVETIA Contest SSB, CW 4/Apr. 24
Georgia OSO Party 4/Apr. 28
ARI Int'l DX Contest SSB, CW, RTTY 1/May 24
MARAC CW County Hunters Contest 1/May 48
ARRL UHF Spring Sprint 1/May 4
(902/1296/2304 MHz)
Texas State QSO Party 1/May 48
Oregon State QSO Party 1/May 48
10-X Int'l Spring CW QSO Party 1/May 48
CQ-M Contest SSB,CW 2/May 24
ARI A.VOLTA RTTY Contest 2/May 24
Massachusetts QSO Party 2/May 30
Nevada State QSO Party 2/May 48
Danish SSTV Contest 2/May 48
Michigan State QSO Party 3/May 24

ARRL Spring Sprint-50 MHz 3/May 4
ARRL DX Contest 4/May 14
CO WW WPX CW Contest last/May 48
RSGB National Field Day 1/Jun. 24
Portugal Day Contest 1/Jun. 24
ARRL June VHF Contest 2/Jun 33
ANARTS WW RTTY Contest 2/Jun. 48
All Asian CW Contest 3/Jun. 48
SMIRK 50 MHz QSO Party 3/Jun. 48
ARRL Field Day 4/Jun. 27
R.A.C. Canada Day Contest 1/Jul. 24
Venezuela Independance Day SSB Contest 1/Jul. 48
IARU HF Championship SSB-CW 2/Jul. 24
CO WW WPX VHF Contest 2IJul. 27
ARCI QRP Summer Homebrew Sprint-CW 2/Jul. 4
Colombian Independence Day Contest 3/Jul. 24
SEANET CW Contest 3/Jul. 48
AGCW-DL QRP CW Summer Contest 3/Jul. 24
Venezuela Independence Day CW Contest 4/Jul. 48
RSGB IOTA HF Contest 4/Jul. 24
NCJ N.A. QSO Party-CW 1/Aug. 10/12
ARR,L UHF Contest 1/Aug. 24
YO DX HF Contest 1/Aug. 20
WAE CW Contest 2/Aug. 36
Maryland-D.C. QSO Party 2/Aug. 19
SARTG WW RTTY Contest 3/Aug. 24
NCJ N.A. QSO Party-SSB 3/Aug. 10/12
SEANET SSB Contest 3/Aug. 48
New Jersey State QSO Party 3/Aug. 1 7
ARRL 10Ghz Cumulative Contest-Part 1 3/Aug. 24
Empire State (N.Y.) QSO Party 4/Aug. 30
NCJ N.A. Sprint-CW 1/Sept. 4
R.A.C. VHF/UHF Sprint 1/Sept. 4
(902/1296/2304 MHz)
LZ-DX-Contest 1/Sept. 48
All-Asian SSB Contest 1/Sept. 48
Panama Anniversary Contest 1/Sept. 24
WAE DARC SSB Contest 2/Sept. 36
ARRL VHF QSO Party 2/Sept. 33
NCJ's N.A. Sprint-SSB 2/Sept. 4
R.A.C. VHF/UHF Sprint-432 MHz 2/Sept. 4
Montana State QSO Party 2/Sept. 48
ARRL 10 GHz Cumulative Contest-Part 2 3/Sept. 24
R.A.C. VHF/UHF Sprint-220 MHz 3/Sept. 4
Scandinavian CW Contest 3/Sept. 27
CO WW RTTY Contest 4/Sept. 48
R.A.C. VHF/UHF Sprint-144 MHz 4/Sept. 4
Scandinavian SSB Contest 4/Sept. 27

Washington State Salmon Run 4/Sept. 31
Classic Radio Exchange 4/Sept. 48
VK/ZL SSB DX Contest 1/Oct. 24
California QSO Party (COP) 1/Oct. 30
F9AA Cup Contest 1/Oct. 24
R.A.C. VHF/UHF Sprint-50 MHz 1 /Oct. 48
VK/ZL CW DX Contest 2/Oct. 24
RSGB 21/28 MHz SSB Contest 2/Oct. 1 4
Illinois State QSO Party 2/Oct. 8
Ilberoamericano SSB Contest 2/Oct. 24
YLRL CW Anniversary Party 2/Oct. 24
RSGB 21 MHz CW Contest 3/Oct. 14
ARCI QRP CW Contest 3/Oct. 36
W.A.G. Worked All Germany 3/Oct. 24
All-Asian SSB Contest 4/Oct. 48
YLRL SSB Anniversary Party 4/Oct. 24
CO WW DX Phone Contest last/Oct. 48
ARRL Sweepstakes CW 1/Nov. 24/30
JA Int'i DX SSB Contest 1/Nov. 48
OK DX Contest 2/Nov. 24
WAE DARC RTTY Contest 2/Nov. 36
ARRL EME Contest 2/Nov. 48
ARRL Sweepstakes SSB 3/Nov. 24/30
CO WW DX CW Contest last/Nov. 48
ARRL 160m DX Contest 1 /Dec. 42
ARRL 10m DX Contest 2/Dec. 36/48

--

Dave Bushong, Wang Laboratories, Inc.

Date: 17 Mar 1994 23:02:23 GMT
From: mvb.saic.com!news.cerf.net!usc!howland.reston.ans.net!wupost!gumby!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!utcsri!utnut!nott!cunews!
freenet.carleton.ca!freenet3.scri.fsu.@@ihnp4.ucsd.edu
Subject: Alinco DJ580T price info needed!
To: info-hams@ucsd.edu

I bought my 580T last June in Dallas and I paid \$370. I haven't seen it
much cheaper since. I like the radio but if you get it invest in a decent
antenna and find someone to show you which jumpers to cut for wideband vhf
and 800 mhz receive

73's es see ya'

de N5HF

Date: Thu, 17 Mar 1994 14:21:33 GMT
From: ihnp4.ucsd.edu!agate!boulder!csn!erik@network.ucsd.edu
Subject: Converting CB to 10 meters
To: info-hams@ucsd.edu

I have had several QSOs with people on 10 meters who were using converted CBs. I have a CB sitting in my junk box and was wondering if it could be put to use in the 10 meter band. Is there some service center I can send it to have it done? Is it something I can do myself? (The CB in question is a Cobra Model 19 Plus, manufactured in 1988.) In general, how hard is it to do this (ie maybe easier on older model CBs)?

Enquiring minds want to know. :-)

TNX and 73,
Erik

--

Erik Mugele * erik@csn.org * "O child learn your ABZ's
 * mugele@sil.org * and memorize them well
Ham Radio: N5XYX * No NeXTMail yet! * and you shall learn to talk and think
DoD #: 1030 * Phone: 719.550.6202 * and read and write and spel."

Date: Thu, 17 Mar 1994 11:47:22 MST
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!sol.ctr.columbia.edu!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 16 March
To: info-hams@ucsd.edu

/\

DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

16 MARCH, 1994

/\

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 16 MARCH, 1994

NOTE: Minor stratospheric warming is continuing over eastern Siberia, Alaska,

and the Canadian Arctic. Temperature gradient is reversed between 60N and the pole in the middle and upper stratosphere from 30 HPA upwards.

```
!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 075, 03/16/94
10.7 FLUX=086.2  90-AVG=106          SSN=031      BKI=4332 3423  BAI=016
BGND-XRAY=A4.2    FLU1=7.6E+06  FLU10=2.0E+04  PKI=4343 3433  PAI=018
  BOU-DEV=055,027,039,016,025,042,018,021  DEV-AVG=030 NT    SWF=00:000
  XRAY-MAX= B1.6   @ 1603UT    XRAY-MIN= A2.9   @ 1949UT    XRAY-AVG= A6.3
NEUTN-MAX= +004%  @ 1450UT    NEUTN-MIN= -003%  @ 0410UT    NEUTN-AVG= +0.3%
  PCA-MAX= +0.1DB @ 0230UT    PCA-MIN= -0.4DB @ 2355UT    PCA-AVG= -0.1DB
BOUTF-MAX=55350NT @ 0236UT    BOUTF-MIN=55301NT @ 1705UT    BOUTF-AVG=55332NT
GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT    G7-AVG=+078,+000,+000
GOES6-MAX=P:+128NT@ 1823UT    GOES6-MIN=N:-097NT@ 0609UT    G6-AVG=+097,+023,-047
FLUXFCST=STD:085,085,090;SESC:085,085,090  BAI/PAI-FCST=015,010,010/015,010,010
  KFCST=2334 5222 1234 4322  27DAY-AP=008,007  27DAY-KP=2233 2222 2223 2213
WARNINGS=*GSTRM;*AURMIDWCH
  ALERTS=**MINSTRM
!!END-DATA!!
```

NOTE: The Effective Sunspot Number for 15 MAR 94 was 36.5.
The Full Kp Indices for 15 MAR 94 are: 5o 6- 5+ 5o 5- 5- 4- 4-
The 3-Hr Ap Indices for 15 MAR 94 are: 45 63 59 48 43 39 23 21
Greater than 2 MeV Electron Fluence for 16 MAR is: 3.1E+09

SYNOPSIS OF ACTIVITY -----

Solar activity was very low. Regions 7688 (N19W06) and 7692 (N18E57) are the sole spot groups visible. Both have been quiet.

Solar activity forecast: solar activity is expected to be very low throughout the interval.

The geomagnetic field has been quiet to active at middle latitude sites. High latitudes experienced unsettled to active conditions. The greater than 2 MeV electron fluxes remained at levels comparable to those observed over the past week.

STD: Total daily electron fluence reached a maximum of 3.1E+09 electrons/cm²-ster-day, surpassing the previous maximum of 2.4E+09 set on 12 March, about 3 days after this event began. Electrons today reach high to very high levels.

Geophysical activity forecast: the geomagnetic field is expected to be predominantly unsettled for the next three

days. Episodes of active to minor storm conditions may occur during local nighttime hours.

Event probabilities 17 mar-19 mar

| | |
|---------|----------|
| Class M | 01/01/01 |
| Class X | 01/01/01 |
| Proton | 01/01/01 |
| PCAF | Green |

Geomagnetic activity probabilities 17 mar-19 mar

| | |
|---------------------|----------|
| A. Middle Latitudes | |
| Active | 30/25/15 |
| Minor Storm | 20/15/10 |
| Major-Severe Storm | 10/05/05 |
| B. High Latitudes | |
| Active | 35/25/20 |
| Minor Storm | 25/20/15 |
| Major-Severe Storm | 10/05/05 |

HF propagation conditions improved over the last 24 hours, but were still somewhat degraded over the high and polar latitude paths. Most middle latitude paths are seeing near-normal conditions with sporadic night-sector instabilities. Periods of additional night-sector geomagnetic and auroral substorming should continue to produce occasional minor signal degradation from the middle to polar latitudes. Otherwise, gradual improvements should persist over the next 72 hours. Most regions should see near-normal propagation by about 18 March.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

=====

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 16/2400Z MARCH

| NMBR | LOCATION | LO | AREA | Z | LL | NN | MAG | TYPE |
|------|----------|-----|------|-----|----|-----|-------|------|
| 7688 | N19W06 | 225 | 0100 | CA0 | 09 | 010 | BETA | |
| 7692 | N18E58 | 161 | 0090 | HSX | 02 | 001 | ALPHA | |
| 7691 | N07W18 | 237 | | | | | PLAGE | |

REGIONS DUE TO RETURN 17 MARCH TO 19 MARCH

| | | |
|------|-----|-----|
| NMBR | LAT | LO |
| 7683 | S18 | 090 |

LISTING OF SOLAR ENERGETIC EVENTS FOR 16 MARCH, 1994

 BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP
 1328 1329 1329 140

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 16 MARCH, 1994

 BEGIN MAX END LOCATION TYPE SIZE DUR II IV
 NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 16/2400Z

 ISOLATED HOLES AND POLAR EXTENSIONS
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
 70 N37E53 S19E40 N02E12 N50E44 190 ISO POS 029 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

 Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz

 15 Mar: 0106 0131 0146 B1.2
 0341 0410 0432 B2.2
 1125 1132 1136 B4.0
 1305 1309 1313 B1.5
 1451 1452 1459 SF 7688 N16E07

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

 C M X S 1 2 3 4 Total (%)
 -- -- -- -- --
 Region 7688: 0 0 0 1 0 0 0 0 001 (20.0)
 Uncorrelated: 0 0 0 0 0 0 0 0 004 (80.0)

Total Events: 005 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

 Date Begin Max End Xray Op Region Locn Sweeps/Optical Observations

 15 Mar: 1125 1132 1136 B4.0 Surge

1451 1452 1459 SF 7688 N16E07 III,V

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

| | |
|-----------|------------------------------------|
| II | = Type II Sweep Frequency Event |
| III | = Type III Sweep |
| IV | = Type IV Sweep |
| V | = Type V Sweep |
| Continuum | = Continuum Radio Event |
| Loop | = Loop Prominence System, |
| Spray | = Limb Spray, |
| Surge | = Bright Limb Surge, |
| EPL | = Eruptive Prominence on the Limb. |

** End of Daily Report **

Date: 17 Mar 94 22:37:04 GMT
From: ihnp4.ucsd.edu!sdd.hp.com!col.hp.com!csn!yuma!galen@network.ucsd.edu
Subject: Deadhead Hams, Net Tonite!!!!
To: info-hams@ucsd.edu

Curtis, KA8WFC posted asking for Deadheads that are hams and I, Galen KF0YJ, responded.
We're going to try to get on 3932 kHz at 05:00 UTC (midnite eastern) and see if we can build a net, so join on in!!!
If 75m doesn't work, I'm gonna try 7273 and 7260 kHz in that order.
14.288 was also mentioned as a weekend freq.
Hear you there,
Galen, KF0YJ

Date: 18 Mar 94 16:59:12 GMT
From: news-mail-gateway@ucsd.edu
Subject: IC22S
To: info-hams@ucsd.edu

Text item: Text_1

>Would like to get mods for +5K and +10K steps for prog freq. Want to
>know if it is possible to modify for transmit from 144Mhz to 148Mhz.
> Dwight, morgdw@saturn.wwc.edu

TechnoLogic Concepts, 1803 Mission St., Suite 308, Santa Cruz, CA 95060
offers a kit for the ICOM-22S that allows continuous coverage from 144.62
to 147.90 MHz in 5khz steps.

73, Cecil, kg7bk@indirect.com (I do not speak for Intel on Internet)

Date: 17 Mar 1994 14:22:53 GMT
From: ihnp4.ucsd.edu!swrinde!sgiblab!cs.uoregon.edu!usenet.ee.pdx.edu!
fastrac.llnl.gov!cronkite.nersc.gov!Greg.Chartrand@network.ucsd.edu
Subject: Icom 737 CW Filter Switching Mod.
To: info-hams@ucsd.edu

I am WITHDRAWING this modification!!!!!!

I am embarassed to say that this mod works, BUT may effect switching in
other modes (SSB,AM/FM). I will fix the mod and post a new one once I
fix the existing problem. I apologize for my lack of test equipment!

Greg

Greg Chartrand _/_/_/ _/_/_/ _/_/_/ _/_/_/
 // _/_/_/ _/_/_/ _/_/_/_/
 // _/_/_/_/ _/_/_/_/ _/_/_/_/_/
 // _/_/ _/_/ _/_/ _/_/ _/_/
 //_/_/ _/_/ _/_/ _/_/_/_/ _/_/_/_/

Date: Thu, 17 Mar 1994 23:54:32 GMT
From: ihnp4.ucsd.edu!munnari.oz.au!newshost.anu.edu.au!sserve!usage!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report - 17 March 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 17/2330Z MARCH 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 17 MARCH AND FORECAST UP TO 20 MARCH

No warning is current.

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 085/027

1B. SOLAR FORECAST

| | 18 March | 19 March | 20 March |
|----------|---------------|---------------|---------------|
| Activity | Very low | Very low | Very low |
| Fadeouts | None expected | None expected | None expected |

Forecast 10.7 cm flux/Equivalent Sunspot Number : 085/027

1C. SOLAR COMMENT

None.

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth : unsettled to active

| Estimated Indices : | A | K | Observed A Index 16 March |
|---------------------|----|-----------|---------------------------|
| Learmonth | 21 | 3435 4332 | |
| Fredericksburg | 22 | | 19 |
| Planetary | 30 | | 18 |

2B. MAGNETIC FORECAST

| DATE | Ap | CONDITIONS |
|--------|----|---|
| 18 Mar | 25 | Unsettled with possible active periods. |
| 19 Mar | 15 | Unsettled. |
| 20 Mar | 10 | Quiet to unsettled. |

2C. MAGNETIC COMMENT

None.

3A. GLOBAL HF PROPAGATION SUMMARY

| | LATITUDE BAND | | |
|--------|---------------|-------------|------|
| DATE | LOW | MIDDLE | HIGH |
| 17 Mar | normal | normal-fair | fair |

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

| | LATITUDE BAND | | |
|--------|---------------|-------------|------|
| DATE | LOW | MIDDLE | HIGH |
| 18 Mar | normal | fair-normal | fair |
| 19 Mar | normal | fair-normal | fair |

20 Mar normal normal fair-normal

3C. GLOBAL HF PROPAGATION COMMENT

NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were depressed 15-30% during local day, with spread F conditions during local night.

Observed T index for 17 March: 8

Predicted Monthly T Index for March is 40.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE T-index MUFs

18 Mar 10 Depressed 15-30% during local day to near predicted
 monthly values at night.

19 Mar 30 Near predicted monthly values.

20 Mar 35 Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT

None.

--

IPS Regional Warning Centre, Sydney

email: rwc@ips.oz.au fax: +61 2 4148331

RWC Duty Forecaster tel: +61 2 4148329

Recorded Message tel: +61 2 4148330

|IPS Radio and Space Services

|PO Box 5606

|West Chatswood NSW 2057

|AUSTRALIA

Date: 17 Mar 1994 21:04:43 GMT

From: ihnp4.ucsd.edu!agate!stoll@network.ucsd.edu

Subject: Phonetic Alphabets

To: info-hams@ucsd.edu

I found these posted to a bbs, so I checked 'em & added references.
Enjoy!

Cliff Stoll K7TA

(please don't send me e-mail for a while, my mailbox overfloweth)

Phonetic Alphabet for World War II:

[source: ARRL 1945 Handbook pg 359 "Used by Armed services of USA & GB"]

Able, Baker, Charlie, Dog, Easy, Fox, George, How, Item,

Jig, King, Love, Mike, Nan, Oboe, Peter, Queen, Roger,
Sugar, Tare, Uncle, Victor, William, Xray, Yoke, Zebra.

Phonetic Alphabet for NATO: [source??]

Alfa, Bravo, Charlie, Delta, Echo, Foxtrot, Gold, Hotel, India,
Juliet, Kilo, Lima, Mike, November, Oscar, Papa, Quebec, Romeo,
Sierra, Tango, Uniform, Victor, Whiskey, Xray, Yankee, Zulu.

Phonetic Alphabet for ITU: [from ARRL '93 Handbook, pg 37-7]

(same as that NATO list except "Golf" instead of "Gold"

Date: Sat, 12 Mar 1994 23:07:24 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!torn!news2.uunet.ca!xenitec!tdkcs!
isle!djnorman@network.ucsd.edu
Subject: Q codes?
To: info-hams@ucsd.edu

I bet this a been asked many times before..... but where can I find a
list of the "Q" codes I'm not an amateur operater... but I do
monitor alot...

thanx.
Darrin Norman

Date: 17 Mar 1994 23:20:55 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!EU.net!sunic!trane.uninett.no!nac.no!nntp-oslo.uninett.no!
mac_inge!tomrune@network.ucsd.edu
Subject: QSL-Manager for JW1BJA/JW5VK
To: info-hams@ucsd.edu

Hello everybody!
All is now ready for my little dx'pedition to Svalbard
Isl. We will go up there tomorrow, March 18, and we will
be there until Monday 21.
We will try to be as active as possible on all bands,
including WARC bands.
This is maybe the first time JW is activated on SSB on
the "new" WARC bands.

The QSL-MANAGER for both me (JW1BJA), and my father (JW5VK)
will be:

direct/bureau to LA5VK

73s and Good DX!

End of Info-Hams Digest V94 #303
